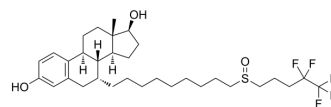


## Fulvestrant (Standard)

<b>Cat. No.:</b>	HY-13636R
<b>CAS No.:</b>	129453-61-8
<b>Molecular Formula:</b>	C <sub>32</sub> H <sub>47</sub> F <sub>5</sub> O <sub>3</sub> S
<b>Molecular Weight:</b>	606.77
<b>Target:</b>	Estrogen Receptor/ERR; Autophagy; Apoptosis
<b>Pathway:</b>	Vitamin D Related/Nuclear Receptor; Autophagy; Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 250 mg/mL (412.02 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.6481 mL	8.2404 mL	16.4807 mL	
5 mM	0.3296 mL	1.6481 mL	3.2961 mL	
10 mM	0.1648 mL	0.8240 mL	1.6481 mL	

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Fulvestrant (Standard) is the analytical standard of Fulvestrant. This product is intended for research and analytical applications. Fulvestrant (ICI 182780) is a pure antiestrogen and a potent estrogen receptor (ER) antagonist with an IC<sub>50</sub> of 9.4 nM. Fulvestrant is also a GPR30 agonist. Fulvestrant effectively inhibits the growth of ER-positive MCF-7 cells with an IC<sub>50</sub> of 0.29 nM. Fulvestrant also induces autophagy and has antitumor efficacy<sup>[1]</sup>.

### CUSTOMER VALIDATION

- Cancer Cell. 2020 Mar 16;37(3):387-402.e7.
- Adv Sci (Weinh). 2023 Mar 11;e2300311.
- Nucleic Acids Res. 2020 Nov 4;48(19):10768-10784.
- Acta Pharm Sin B. 2021 Feb;11(2):442-455.
- J Med Virol. 2021 Jun;93(6):3769-3778.

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See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

**Caution: Product has not been fully validated for medical applications. For research use only.**

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